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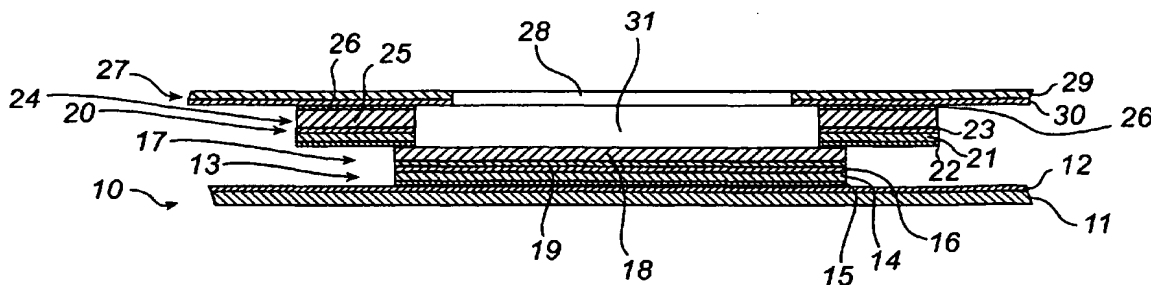
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(54) Title: EPICUTANEOUS TEST PLASTER



(57) Abstract: An epicutaneous test plaster, which is intended for removable adhesion to a skin portion of a person subjected to testing, has a flexible carrier (10) with a medical adhesive layer (12) and a number of test chambers (31). The test chambers contain a filter element (17) for absorption of allergen and are oriented with their opening directed away from the flexible carrier (10). A removable cover layer (27, 32) extends over all the test chambers and the carrier (10) and is removably secured to them by means of the adhesive layer (12) of the carrier. According to the invention, the test chambers (31) are formed as separate chambers, which are each separately fixed to the carrier and which are made up of a number of different sub-layers (13, 17, 19, 20, 24, 26).



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 Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
 European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5325864 A (GERBER), 5 July 1994 (05.07.94), figures 1-3b, abstract --	1-16
A	US 5044372 A (ANHÄUSER ET AL), 3 Sept 1991 (03.09.91), figures 1,2, abstract --	1-16
A	NL 8701577 A (WILLEM VAN DER BEND TE BRIELLE), 1 February 1989 (01.02.89), figures 1-4 --	1-16
A	US 6142954 A (ANHÄUSER ET AL), 7 November 2000 (07.11.00), figures 1,2, abstract --	1-16

☒ Further documents are listed in the continuation of Box C.☒ Sec patent family annex.

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9908601 A1 (HELI PLASTIC B.V), 25 February 1999 (25.02.99), figures 1-4, abstract --	1-16
A	WO 9417735 A1 (SIEWERT), 18 August 1994 (18.08.94), figures 1-5, abstract -- -----	1-16

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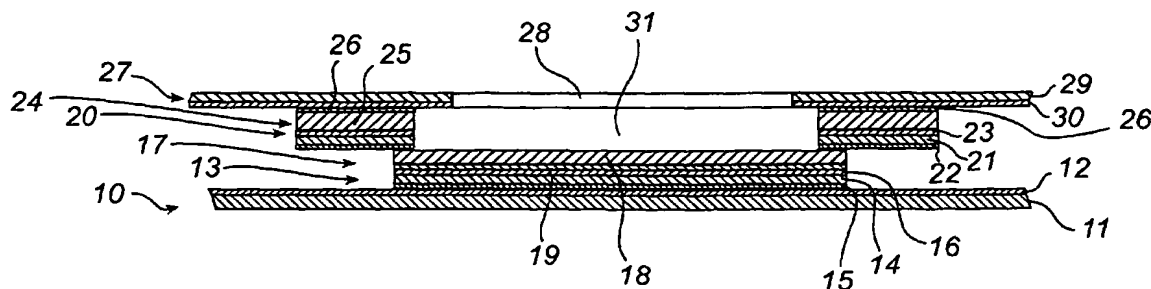
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EPICUTANEOUS TEST PLASTER

When testing patients for allergy, an epicutaneous test plaster is commonly used, which has a number of test chambers which in connection with use of the test plaster can be loaded with various allergens. The test chambers
5 contain a filter paper for application or absorption of the allergens and are arranged at a suitable distance from each other to make it possible to separately assess the effect of the various allergens.

A prior-art epicutaneous test plaster, which is
10 widely used, is made up of a flexible carrier with an adhesive layer for removable adhesion of the epicutaneous test plaster to the skin of the tested patient. The carrier is essentially made of a medical tape with a hypo-allergen adhesive layer. The test chambers of this prior-
15 art test plaster are formed as shallow square plastic cups with an outwardly directed flange. The test chambers are then fixed, spaced from each other, to the carrier of the epicutaneous test plaster and are distributed over the surface of the carrier in a suitable pattern. In the
20 test chambers, a filter paper can be inserted to serve as an absorbent for allergen substances which are later to be inserted into the test chambers. A cover layer is applied over the test chambers and kept in place on the carrier by means of the adhesive layer of the carrier.

25 In a prior-art embodiment, the cover layer has the form of a blister sheet which is made of a suitable plastic material and has low blister rises with the same distribution and location as the test chambers. The blister rises have a larger inner width than the test chambers
30 and extend down round the test chambers when the cover layer is applied to the epicutaneous test plaster and is kept in place by means of the adhesive layer of the carrier. By the cover layer being kept in place on the

carrier by means of the adhesive layer of the carrier, the medical staff can remove the cover layer, load the test plaster with adequate allergens and then either directly perform the test of the patient or reseal the test plaster until it is to be used on a later occasion.

This known test plaster with a blister cover layer has great advantages owing to its composition and resealability and also the rigidity which is imparted to the test plaster by the cover layer and which facilitates handling. However, manufacture of this test plaster is associated with certain difficulties, inter alia, since the cup-shaped test chambers must be made separately and subsequently, in connection with mounting on the carrier, be oriented in the correct way and then secured to the carrier, and since it is difficult to attach the requisite filter paper in the test chambers without the use of adhesive for this purpose. Therefore the filter paper is applied manually on the actual patient testing occasion when using the known test plaster.

NL-8701577-A discloses and describes an allergy testing device which comprises a carrier with an adhesive layer for holding a flexible strip, which is made of a cellular plastic material with closed cells and which has punched-out portions to form test chambers. A moisture-proof layer and an absorbing layer are inserted in the test chambers to enable holding of the allergen material that is to be used in the testing for allergy. When using the testing device according to Fig. 1 of NL-8701577-A, the testing device is applied to the patient's skin by means of a suitable surgical tape while the carrier with its adhesive layer in the embodiments according to Figs 2-4 is extended past the long side edges of the flexible strip so as to be directly applied to the skin without necessitating additional tape. In all embodiments, a cover strip is used, which has its own adhesive layer to be able to be temporarily held on the underlying parts of the testing device. A

serious drawback of this known testing device is that the allergen material in the test chambers can leak out from the test chambers, on the one hand through the underside of the indentations in the test chamber and, on the other hand, over the actual edge of the frame of the test chamber. When leaking down through the underside of the test chamber, the test allergen reaches the porous tape and can penetrate therethrough and contaminate the patient's clothing. When leaking over the edge of the frame, the test allergen is spread over the skin surface towards neighbouring test chambers. This is a serious drawback since the assessment of the allergy reactions is rendered difficult.

An object of the present invention is to provide an epicutaneous test plaster, which has additional advantages in connection with use of the epicutaneous test plaster by limiting the spreading of the allergen material outside the test chambers when using the epicutaneous test plaster.

To achieve this and other objects of the invention, the invention starts from a known epicutaneous test plaster which has a flexible carrier with a medical adhesive layer and a number of test chambers. The test chambers contain a filter element for absorption of allergen and are oriented with their opening directed away from the flexible carrier. A removable cover layer extends over all the test chambers and the carrier and is removably secured to them by means of the adhesive layer of the carrier. According to the invention, the test chambers are formed as separate chambers which are each fixed to the carrier and are made up of a number of different sub-layers.

To satisfy the above objects, the invention thus is aimed at the designing of the test chambers and the composition thereof. Instead of premanufacturing a shallow cup-shaped test chamber, the individual test chamber is according to the invention to be made up of a number of

different sub-layers which are successively applied to the adhesive layer of the carrier. For each test chamber to be formed, there is first secured to this adhesive layer a filter paper which on its side facing the bottom layer is laminated with a moisture barrier layer. This securing can, in a preferred embodiment, be achieved by means of an adhesive layer, whose one side is fixed to the moisture barrier layer of the filter paper and whose other side is fixed to the adhesive layer of the carrier. Alternatively, this adhesive layer can be made of a flexible double-adhesive tape which forms a bottom layer. Subsequently, a frame-shaped foam plastic layer is secured, which forms the side walls of the test chambers and which on its outwardly directed upper side has a layer of medical adhesive. The securing of this frame-shaped foam plastic layer can take place either by making the foam plastic layer as a double-adhesive tape or by using a separate adhesive layer, whose one side is fixed to the foam plastic layer and whose other side is fixed to the filter element, or by arranging a frame-shaped fixing layer made of a flexible double-adhesive tape between the foam plastic layer and the filter element.

In the final applying of the cover layer, it is fixed to the rest of the epicutaneous test plaster by means of the adhesive layer of the carrier and, in the case where the cover layer consists of a silicone-treated paper liner, also by means of the outwardly directed adhesive layer of the frame-shaped foam plastic layer. The cover layer may consist of an ordinary release paper backing (liner) which advantageously has openings opposite to the test chambers, so that the medical staff can load the test plaster just before use when the cover layer is pulled off to expose the adhesive layers and in connection with the application to the patient's skin.

However, the cover layer is preferably formed as a blister sheet with blister rises or bubbles, which have a greater width than the individual test chambers and

which, when the blister sheet is applied to the test plaster, enclose them, the blister sheet being kept in place on the rest of the epicutaneous test plaster by means of the adhesive layer of the carrier round each individual test chamber. In a particularly preferred embodiment of the blister sheet, the blister rises are provided with a central portion which is so strongly bent down towards the carrier that it is in contact with the corresponding frame-shaped foam plastic layer's layer of medical adhesive to seal the corresponding test chamber.

By making the test chambers of different layers of a soft flexible material, further advantages are achieved by the epicutaneous test plaster, when used, better conforming to the shape and contour of the skin portion to which it is fixed. This combined with the circumstance that the frame-shaped foam plastic layer has an outwardly directed adhesive layer minimises, or fully eliminates, the risk that allergens will spread to the area outside each individual test chamber. In the known test chambers consisting of premanufactured shallow plastic cups, it has been found that the rigidity of the test chambers sometimes has resulted in gaps arising between the patient's skin and the test chambers. In the testing devices according to the above-mentioned NL-8701577-A, the strip-shaped element forming the test chambers abuts freely against the patient's skin, and therefore there is no seal in any direction, which makes the risk of gaps and the risk of spreading very great.

According to the present invention, compared with prior-art represented by NL-8701577-A, it is possible to avoid that the tested skin portion is irritated and turns red, which disturbs the test reading and makes it difficult. In the test plaster according to the invention, the surface portion of the test plaster which abuts against the skin is therefore minimised by the outer edges of the test chambers being made narrow and frame-shaped. This important aspect has not been taken into consideration in

the above NL-8701577-A, since the test chambers actually do not consist of a test chamber with a narrow enclosing non-porous frame, but instead consist of a part, large in surface area, of a non-porous cellular plastic material with punched-out small test chambers. As a result, the skin cannot breathe on large parts of the testing device. The reason for using a porous, moisture- and air-permeable carrier of surgical tape is that, to avoid skin irritation, the skin must be able to breathe and let through moisture which is naturally present on the skin and which is generated in excess when sweating.

A further great advantage of the invention is obtained by the use of a stronger adhesive in the adhesive layers that are used to secure the test chambers to the carrier and to connect the different sub-layers of the test chambers with each other. This condition eliminates the risk that the test chambers or parts of them should come loose from the carrier when the cover layer is removed in connection with use of the epicutaneous test plaster.

Three particularly preferred embodiments of the invention will now be described with reference to the accompanying drawings, in which

Fig. 1 is an exploded view of a first embodiment with the different sub-layers spaced from each other,

Fig. 2 is a very schematic section through a test chamber when applied to the carrier of the test plaster and provided with a cover layer, the various parts of the test chamber being, for the sake of clarity, not completely joined and also not shown to scale,

Fig. 3 shows a second embodiment in which a blister sheet is used as cover layer,

Fig. 4 shows an alternative to the embodiment according to Fig. 2, and

Fig. 5 shows an alternative to the embodiment according to Fig. 3.

The exploded view in Fig. 1 shows how the different layers in a preferred embodiment of an epicutaneous test plaster according to the invention are arranged. At the bottom there is a carrier 10 which consists of a tape web 11 with an adhesive layer 12 which in the drawing is directed upwards. In a particularly preferred embodiment, a medical tape number No. 1529 (Film-nonwoven Composite Medical Tape) purchased from 3M is used as carrier. The non-woven layer of this medical tape is made of rayon and is coated with a hypoallergen pressure-sensitive acrylate adhesive. However, other carriers with equivalent properties can also be used. An example of such an alternative carrier is a medical tape 9907 T/W marketed by 3M. In this tape, the non-woven layer consists of a multilayer of polyurethane rubber, which is elastic and possesses an extremely high air permeability and which is coated with an hypoallergen pressure-sensitive acrylate adhesive. The elasticity and the water-resistant polyurethane material result in a unique property implying that the tested patients are not restricted by activities such as hard physical work, gymnastics and sports as well as showering, bathing and swimming. These restrictions appear in testing with test plasters known up to now, and there is a great risk of the test plaster falling off or being damaged when subjected to the above loads.

According to the invention, the actual test chambers 31 are made up of different sub-layers. At the bottom there is a bottom layer 13 in the form of a double-adhesive tape. The bottom layer has the same extent as, or a slightly greater extent than, the test chamber to be formed, and a number of bottom layers are fixed to the medical adhesive layer 12 of the carrier 10, suitably distributed and suitably spaced from each other. A common size of such epicutaneous test plasters has ten essentially square test chambers about 10 x 10 mm, arranged in two juxtaposed rows with a mutual distance of about 10 mm

between the individual test chambers and between the two rows.

In a currently preferred embodiment of the epicutaneous test plaster according to the invention, use is
5 made of a double-adhesive transparent polyester tape to form the bottom layer 13, the tape web 14 of the tape having adhesive layers 15, 16 which are preferably formed of a rubber-based adhesive. A particularly preferred double-adhesive tape can be obtained from Avery Dennison
10 Corporation, Specialty Tape Division, Belgium under the designation Med 2134 Wetstick™.

Thus the bottom layer 13 is strongly secured to the carrier 10 and to a filter element 17 which has essentially the same extent as the bottom layer. The filter
15 element is made up of a filter layer 18, which on its side facing the bottom layer is laminated with a liquid impermeable cover layer 19, preferably of polyethylene. The filter layer is preferably cellulose-based and has high liquid absorbency. The same type of filter unit as
20 used in prior-art epicutaneous test plasters can advantageously be used.

A frame-shaped fixing layer 20 of double-adhesive tape is applied to the outside of the filter element 17. This fixing layer can suitably be made of the same type
25 of double-adhesive tape as the bottom layer 13 and has a tape web 21 with the adhesive layers 22, 23.

In a particularly preferred embodiment, the frame-shaped fixing layer 20 has such a shape as to cover a rim portion of the filter element 17 and extend outside this
30 to be able to adhere to the adhesive layer 12 of the carrier 10 and, thus, fix the fixing layer more firmly to the carrier than would this adhesive layer do in the normal case. If the filter element 17 is square 12 x 12 mm, the frame-shaped fixing layer 20 can have an inner free
35 square opening 10 x 10 mm. Also other dimensions are possible.

The frame-shaped fixing layer 20 is used to secure another frame-shaped element 24 which is to form the side walls of the test chamber 31 and which consists of a liquid-impermeable foam plastic material. Since this
5 frame-shaped element of foam plastic material is to be sealed against the skin to which the epicutaneous test plaster is applied, the free upper side of this frame-shaped element is provided with an adhesive layer 26 of a medical type. The thickness of this frame-shaped ele-
10 ment determines the depth of the test chamber 31. About 1 mm has been found to be a suitable thickness. A particularly preferred material to form this layer can be obtained from Avery Dennison Corporation, Specialty Tape Division, Belgium under the designation Med 5666R
15 Wetstick™. This material is a single-coated polyethylene foam layer with a thickness of about 1 mm and with a medical adhesive layer 26 on its side directed outwards.

The finishing layer is a cover layer 27. The cover layer may consist of a normal paper liner with a release
20 layer 30 on its side facing the adhesive layers 12 and 26. The cover layer has in this case advantageously openings 28 opposite to the test chambers, so that the medical staff just before use can load the test plaster with the allergen materials which are to be tested on the
25 patient.

The embodiment shown in Fig. 3 is the currently most preferred and has a cover layer 32 in the form of a blister sheet 32 with blister rises 33. The main layer of the blister sheet can consist of PVC, and this main layer
30 can advantageously be laminated with a polyethylene layer 34 which has lower adhesive force against the adhesive layer 12 of the carrier 10 than does a layer of PVC.

The blister rises of the blister sheet have a larger inner width than the test chambers 31 to allow the blister bubbles of the blister sheet, when the blister sheet
35 is applied to the test plaster, to enclose the test chambers and to allow the blister sheet to abut against and

be held by the adhesive layer 12 of the carrier 10 round each individual test chamber. In this embodiment, the blister bubbles are so deep that there is no contact between the blister sheet and the adhesive layer 26 of the frame-shaped foam plastic layer 24 when the blister sheet is mounted.

Fig. 5 illustrates, however, a different embodiment of the blister sheet 32 which in this case is formed with a circumferential groove 37 which extends down towards the frame-shaped foam plastic layer 24 and its adhesive layer 26 to form a cover over the test chamber 31 and seal it. This embodiment of the invention is particularly advantageous in the cases where the medical staff wants to load the epicutaneous test plasters with allergens in advance and then store the loaded test plasters until the different patients are to be tested. By sealing each test chamber, the risk of contamination and leakage between neighbouring test chambers is reduced when handling the loaded test plasters.

Fig. 4 illustrates an additional embodiment of the test plaster according to the present invention. This preferred embodiment is based on the same principle as the embodiments according to Figs 1-3 by the individual test chambers being formed by successive application of a number of different sub-layers.

The embodiment according to Fig. 4 differs from the embodiments according to Figs 1-3 in two respects. First, the bottom layer 13 of double-adhesive tape is replaced by an individual adhesive layer 35, whose one side is fixed to the medical adhesive layer 12 and whose other side is fixed to the liquid impermeable cover layer 19 of the filter element 17. Such double-adhesive layers can be obtained from MacTac, USA under the designation MacFilm F2023.

In the embodiment according to Fig. 4, the fixing layer 20 has been left out, and the frame-shaped foam plastic layer 24, which forms the test chambers 31, is

formed as a double-adhesive tape, i.e. the foam plastic layer 24 has an adhesive layer on both sides, i.e. the layer 26 and the layer 36. Such a double-adhesive tape with a carrier of foam plastic can be obtained from

5 Scapa Tapes, USA, under the designation RX432 VSA. The foam plastic layer of this tape consists of a polyethylene foam layer, and the two adhesive layers consist of a hypoallergen pressure-sensitive acrylate adhesive.

The use of a blister sheet makes the handling of the

10 test plasters easier since they will be more rigid. This embodiment also has the advantage that it is suited for preloading of the test plasters with allergen before use of the test plasters and can therefore be used for pre-manufacture of test plasters ready for use. In this case,

15 the blister layer is temporarily removed while loading takes place, after which it is again applied to seal the area round each individual test chamber. Storing of the loaded plasters can then take place in a manner which is convenient from the clinical point of view.

20 In the shown embodiment, the test chambers are made square since this makes it easier to distinguish between real allergic reactions and common skin irritation. However, other shapes are feasible, such as circles, ellipses, rectangles or polygons. The different sub-

25 layers can be made of other materials than those mentioned above as long as use is made of a medical adhesive for the adhesive layer portions which are to be in contact with the patient's skin during testing for allergy.

CLAIMS

1. An epicutaneous test plaster, comprising
- 5 ➤ a flexible carrier (10) with a medical adhesive layer (12) for removable adhesion of the epicutaneous test plaster to a skin portion of a person to be allergy-tested,
- 10 ➤ a number of test chambers (31) which are distributed over the adhesive layer (12) of the carrier and which contain a filter element (17) for absorption of allergen and which are oriented with their opening directed away from the flexible carrier (10), and
- 15 ➤ a removable cover layer (27, 32) which is formed so as to extend over all the test chambers and the carrier (10) and is removably secured to them by means of the adhesive layer (12) of the carrier,
- characterised in that the test chambers (31) are formed as separate chambers, each comprising
- 20 ➤ a filter element (17) which is secured to the carrier and whose filter (18) on its side facing the bottom layer (13) is laminated with a moisture barrier layer (19),
- 25 ➤ a frame-shaped foam plastic layer (24) secured on top of the filter element (17) and having on its outwardly directed side a layer (26) of medical adhesive, and that the cover layer (27, 32) is removably secured by means of the adhesive layer (12) of the carrier (10) and, in the case where the cover layer consists of a
- 30 paper liner, also the frame-shaped foam plastic layer's (24) layer (26) of medical adhesive.

2. An epicutaneous test plaster as claimed in claim 1, characterised in that the cover layer (32) is a plastic layer (32) with blister bubbles (33) which
- 35 have the same distribution and location as the various test chambers (31) and are larger than these in order to

enclose them when the cover layer (27) is removably held by the adhesive layer (12) of the flexible carrier (10).

3. An epicutaneous test plaster as claimed in claim 2, characterised in that the cover layer (32) consists of a plastic layer laminate with a polyethylene layer (34), which in use of the cover layer faces the test chambers (31) to be removably held by the adhesive layer (12) of the carrier (10).

4. An epicutaneous test plaster as claimed in claim 2 or 3, characterised in that the blister bubbles (33) of the cover layer (32) have a groove (37) which is so strongly bent down towards the carrier (10) that in the mounted position the groove is in contact with the corresponding frame-shaped foam plastic layer's (24) layer (26) of medical adhesive outside the corresponding test chamber (31) to seal the same.

5. An epicutaneous test plaster as claimed in claim 1, characterised in that the cover layer (27) consists of a paper liner (29) with a silicone layer (30), which in use of the cover layer faces the test chambers (31) to be removably held by the adhesive layer (12) of the carrier (10) and the adhesive layer (26) of the frame-shaped foam plastic layer (24).

6. An epicutaneous test plaster as claimed in any one of the preceding claims, characterised in that the carrier (10) consists of a flexible porous surgical tape with a methacrylate-based adhesive layer (12).

7. An epicutaneous test plaster as claimed in any one of the preceding claims, characterised in that the filter paper (18) of the filter element (17) is cellulose-based.

8. An epicutaneous test plaster as claimed in any one of the preceding claims, characterised in that the frame-shaped foam plastic layer (24) consists of a polyethylene foam.

9. An epicutaneous test plaster as claimed in any one of the preceding claims, characterised

in that the filter element (17) is secured to the carrier (10) by means of a bottom layer (13) of a flexible double-adhesive tape.

10. An epicutaneous test plaster as claimed in claim
5 9, characterised in that the double-adhesive tape which forms the bottom layer (13) has adhesive layers (15, 16) of a synthetic rubber-based adhesive.

11. An epicutaneous test plaster as claimed in any
one of claims 1-8, characterised in that the
10 filter element (17) is secured to the carrier (10) by means of an adhesive layer (25), whose one side is fixed to the carrier (10) and whose other side is fixed to the filter element (17).

12. An epicutaneous test plaster as claimed in any
15 one of the preceding claims, characterised in that the frame-shaped foam plastic layer (24) is secured to the filter element (17) by means of a frame-shaped fixing layer (20) of a flexible double-adhesive tape, which is arranged on top of the filter element (17) and
20 surrounds the same.

13. An epicutaneous test plaster as claimed in claim
12, characterised in that frame-shaped fixing
layer (20) of flexible double-adhesive tape partially
covers the rim portions of the filter element (17) and
25 extends outside said rim portions.

14. An epicutaneous test plaster as claimed in claim
13, characterised in that the frame-shaped
fixing layer (20) of flexible double-adhesive tape has
its adhesive layers (22, 23) made of a synthetic rubber-
30 based adhesive.

15. An epicutaneous test plaster as claimed in any
one of claims 1-11, characterised in that the
frame-shaped foam plastic layer (24) is secured to the
filter element (17) by means of an adhesive layer (36),
35 whose one side is fixed to the foam plastic layer (24)
and whose other side is fixed to the filter element (17).

15

16. An epicutaneous test plaster as claimed in claim 15, characterised in that the frame-shaped foam plastic layer (24) is formed as a double-adhesive tape.

1/3

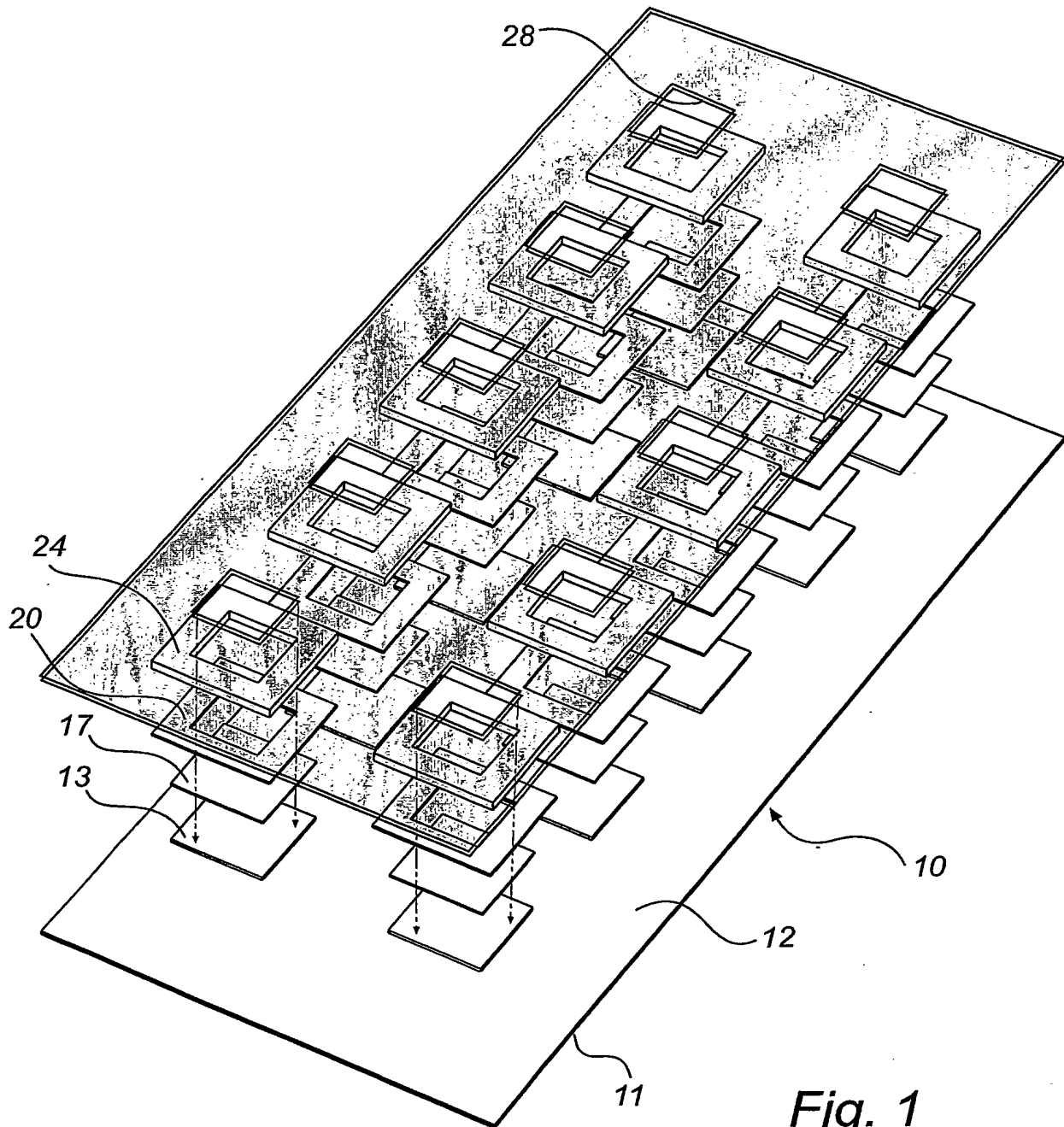


Fig. 1

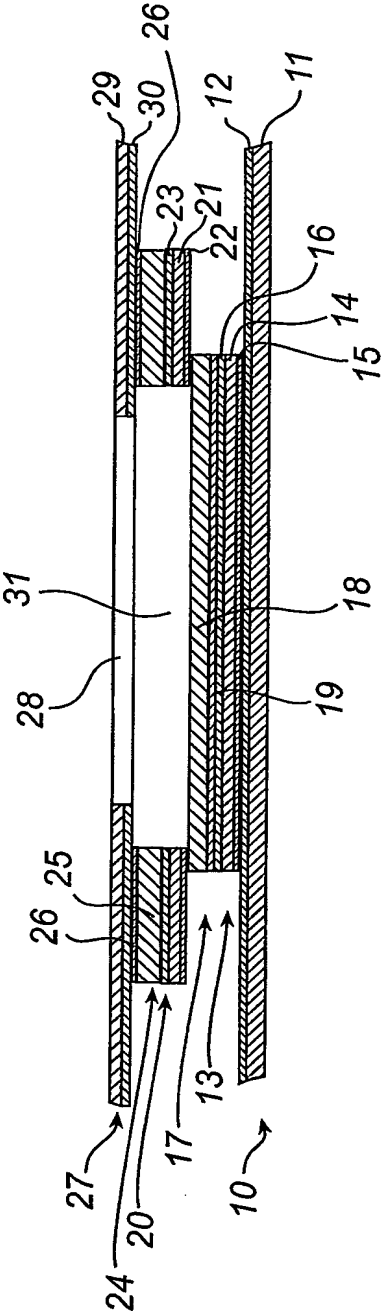


Fig. 2

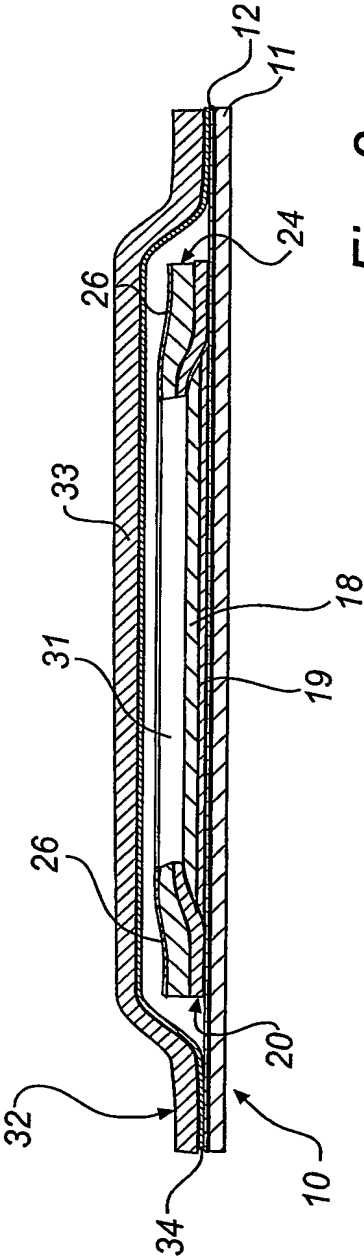


Fig. 3

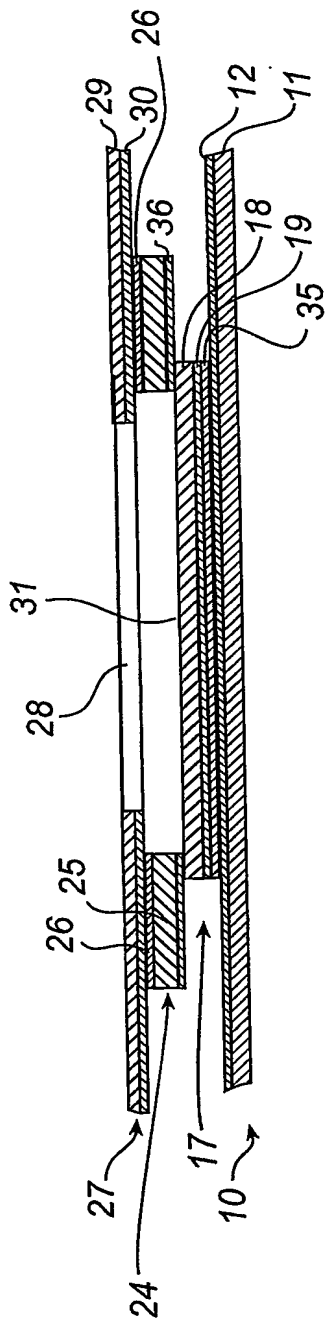


Fig. 4

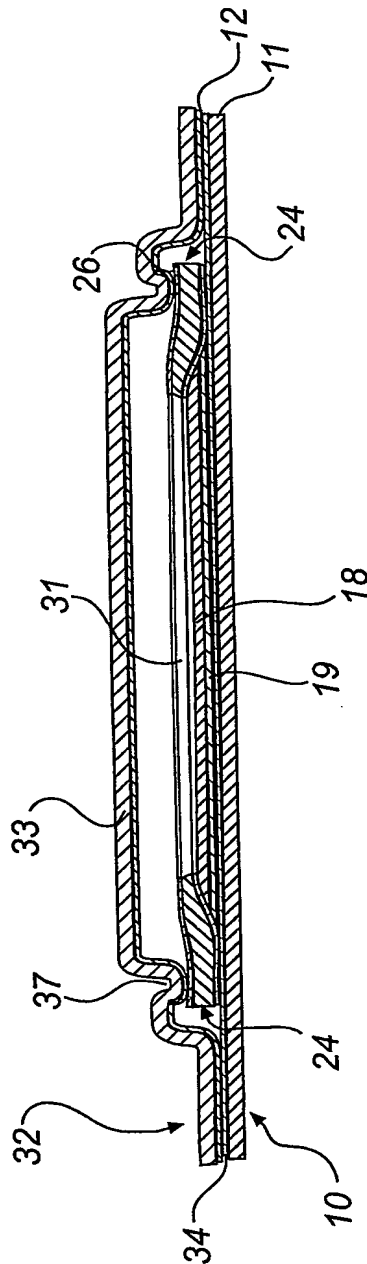


Fig. 5

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00059

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61B 10/00, A61B 5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61B, A61F, A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5044372 A (ANHÄUSER ET AL), 3 Sept 1991 (03.09.91), figures 1,2, abstract --	1-10
A	NL 8701577 A (WILLEM VAN DER BEND TE BRIELLE), 1 February 1989 (01.02.89), figures 1-4 --	1-10
A	US 6142954 A (ANHÄUSER ET AL), 7 November 2000 (07.11.00), figures 1,2, abstract --	1-10

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

14 April 2003

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00059

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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